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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/049,192	06/06/2002	Brigitte Desiree Alberte Colau	B45194	8137
20462	7590 10/20/2005	EXAMINER		INER
SMITHKLINE BEECHAM CORPORATION CORPORATE INTELLECTUAL PROPERTY-US, UW2220			WANG, L	OUISE Z
P. O. BOX 1539 KING OF PRUSSIA, PA 19406-0939			ART UNIT	PAPER NUMBER
			1648	

DATE MAILED: 10/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/049,192	COLAU ET AL.				
Office Action Summary	Examiner	Art Unit				
	Louise Wang	1648				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tirr rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. sely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
 1) Responsive to communication(s) filed on 29 At 2a) This action is FINAL. 2b) This 3) Since this application is in condition for alloward closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4)	e withdrawn from consideration.	ement.				
Application Papers		•				
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine 11).	epted or b) objected to by the liden or b) objected to by the liden of the liden of the liden of by the liden of the drawing (s) is object of the drawing (s) is object or by the liden of the liden or by the	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

DETAILED ACTION

Status of the Claims

Acknowledgement is hereby made of receipt and entry of the amendment filed 22 August 2005. Claim 72 has been canceled. Claims 79-91 have been added. Claims 57-71, 73-76, and 79-91 are pending.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been entered.

Election/Restrictions

Applicant's election with traverse of Group III, claims 57-76, in the reply filed on 29 August 2005 is acknowledged. The traversal is on the grounds that Applicant disagrees with Examiner in that the common technical feature is a contribution over the prior art of Clark et al. (US 5,626,851). This is not found persuasive because the current invention lacks an inventive step over Clark et al. even though the current invention is restricted to human rotaviruses and is different from the human/bovine reassortants disclosed by the Clark et al. This modification would have been obvious to a person of ordinary skill in the art given the great interest in effective rotavirus vaccines and previous results.

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Therefore, the restriction among the different products that may be used in the different methods is maintained. Claims 40-56, 77, and 78 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim.

In light of the newly added claims and upon further consideration, Group III contains multiple species. In replacement of the previous restriction requirement is the following restriction:

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claims 40-52, drawn to an attenuated human rotavirus population comprising at least one of the rotavirus proteins.

Group II, claims 53-56, drawn to a method of production of an attenuated human rotavirus population.

Group III, claims 57-71, 73-76 and 79-91, drawn to a vaccine composition comprising a live attenuated human rotavirus and an antacid and a viscous agent.

Group IV, claim 77, drawn to drawn to a method of manufacture of a rotavirus vaccine comprising admixing a lyophilized live attenuated human rotavirus with an antacid and a viscous agent.

Group V, claim 78, drawn to a method of preventing rotavirus infection in humans by administering to a human subject in need thereof an effective amount of a vaccine.

Species Election

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

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For each Group, applicant is required to elect a viral protein from the following:

- (a) VP4;
- (b) VP7; or
- (c) VP4 and VP7.

Applicant is further required to elect a species wherein VP4 comprises at least:

- (i) an adenine base (A) at position 788;
- (ii) an adenine base (A) at position 802;
- (iii) a thymine base (T) at position 501; or
- (iv) an adenine base (A) at positions 788 and 802 and a thymine base (T) at position 501 from the start codon.

Applicant is also required to elect a species wherein VP7 comprises at least:

- (v) a thymine (T) at position 605;
- (vi) an adenine (A) at position 897.,
- (vii) a guanine (G) at position 897,.
- (viii) a thymine (T') at position 605 and an adenine (A) at position 897*, or
- (iv) a thymine (T) at position 605 and a guanine (G) at position 897 from the start codon.

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If Group III, IV, or V is elected, applicant is additionally required to elect an

antacid from the following species:

(1) sodium citrate;

(2) aluminum hydroxide',

(3) calcium carbonate.

Information regarding the status of an application may be obtained from the

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Louise Wang whose telephone number is 571-272-

5543. The examiner can normally be reached on Mon-Fri, 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, James Housel can be reached on 571-272-0902. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Louise Wang, Ph.D. Patent Examiner 18 October 2005

JEFFREY STUCKER
PRIMARY EXAMINER